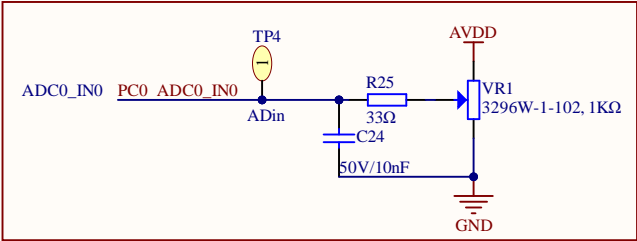
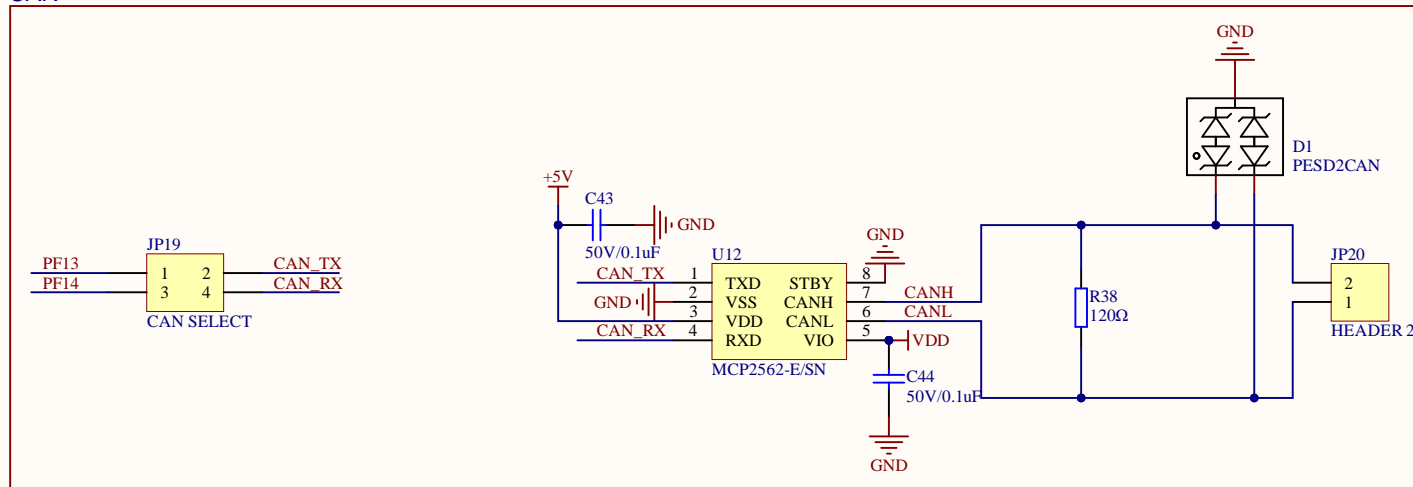


ADC

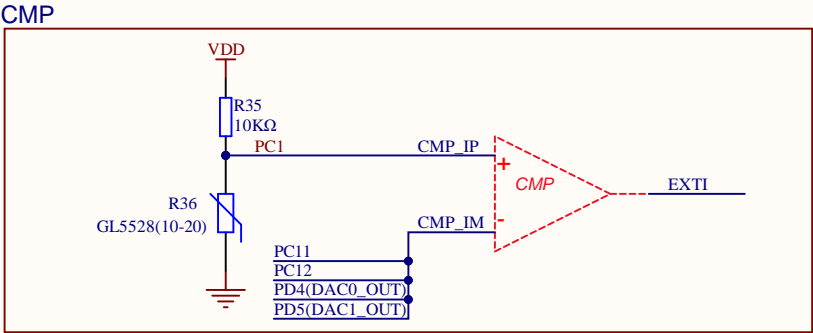


Company Name: GigaDevice		
File Name: ADC		
Revision: 1.2	Date: 2025-11	Author: zhipeng.xue

CAN



Company Name: GigaDevice		
File Name: CAN		
Revision: 1.2	Date: 2025-11	Author: zhipeng.xue



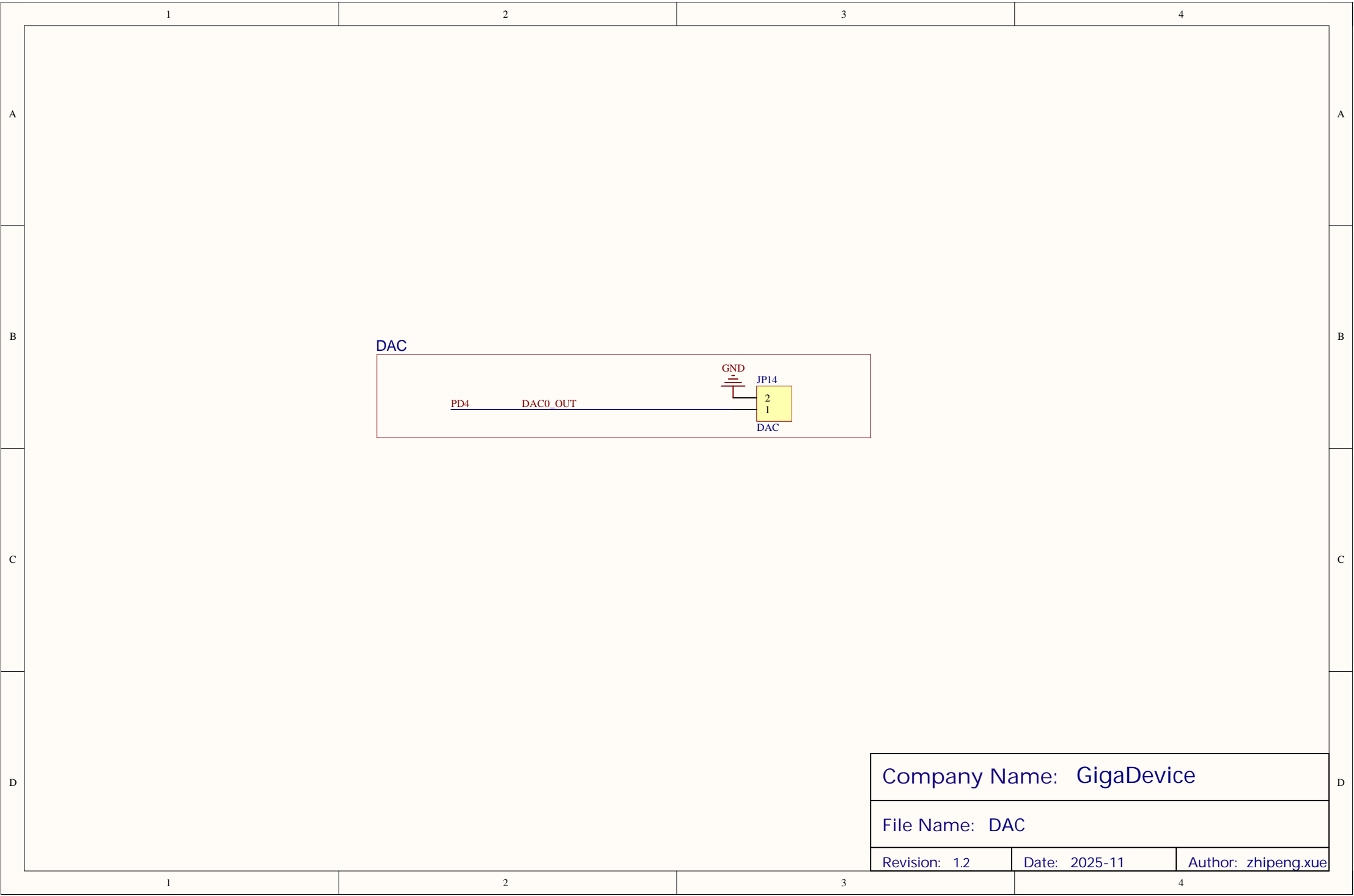
Company Name: GigaDevice

File Name: CMP

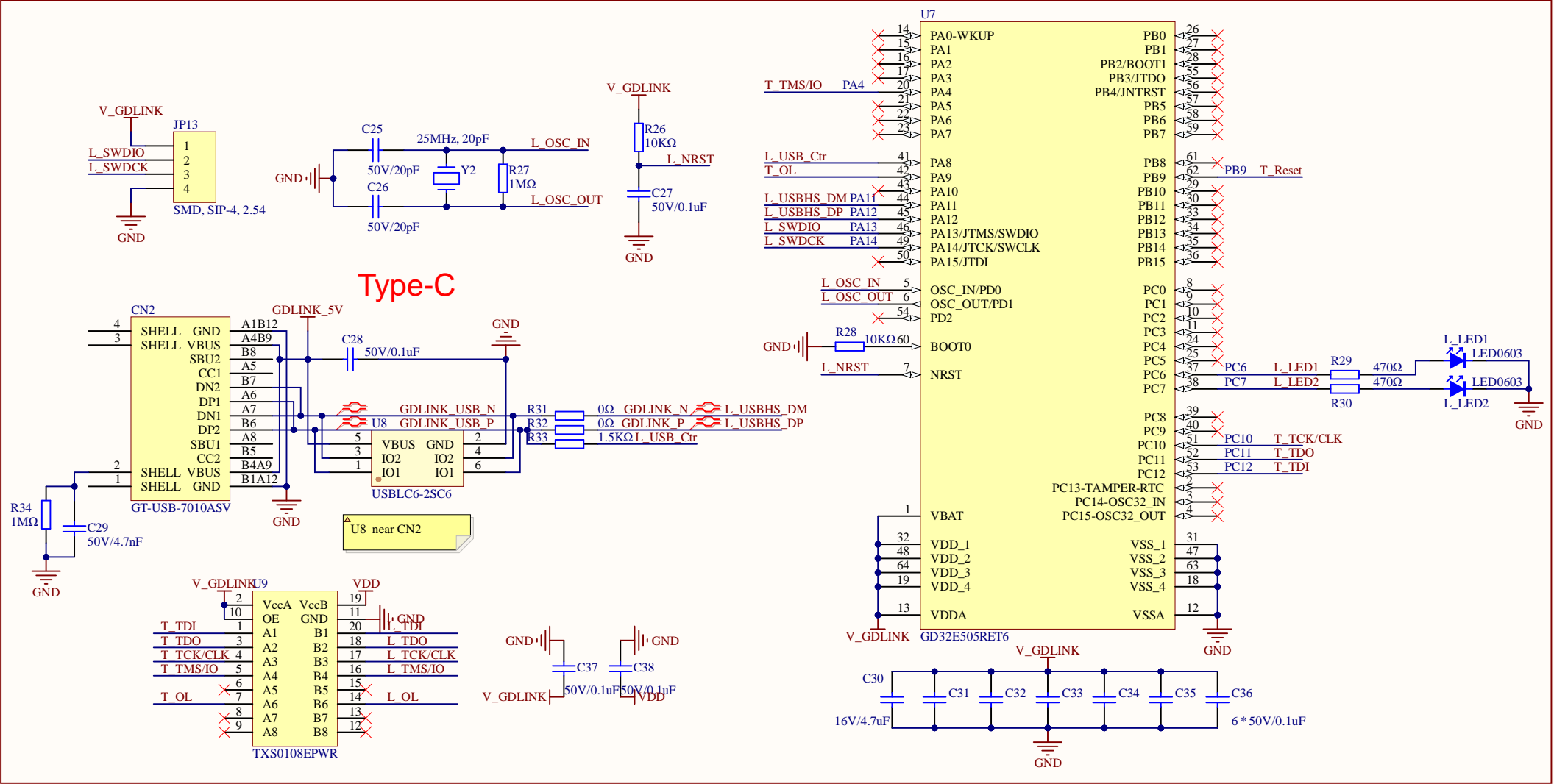
Revision: 1.2

Date: 2025-11

Author: zhipeng.xue



GDLINK



Company Name: GigaDevice

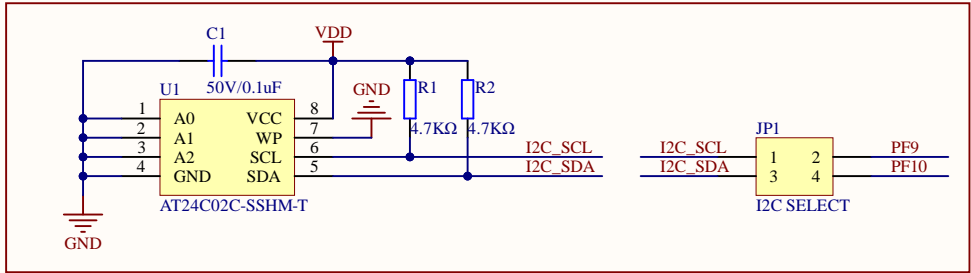
File Name: GDLink

Revision: 1.2

Date: 2025-11

Author: zhipeng.xue

I2C



Company Name: GigaDevice

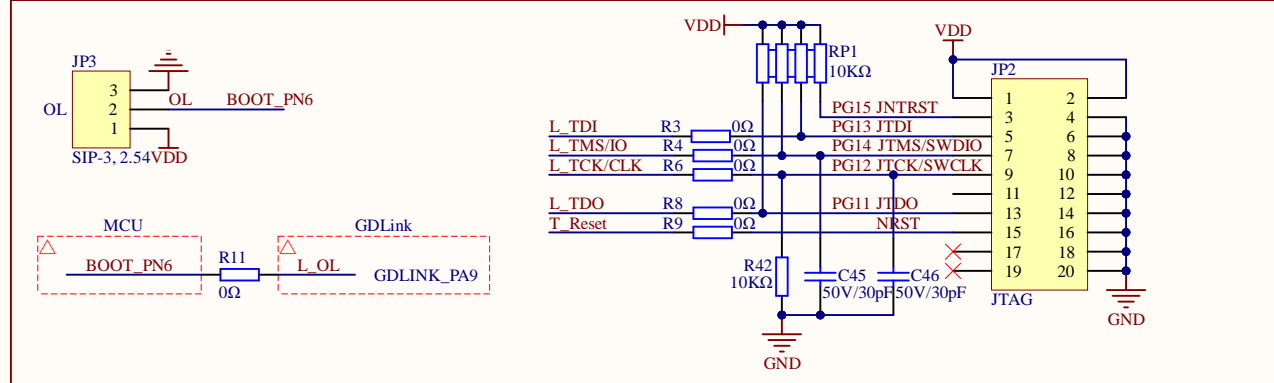
File Name: I2C

Revision: 1.2

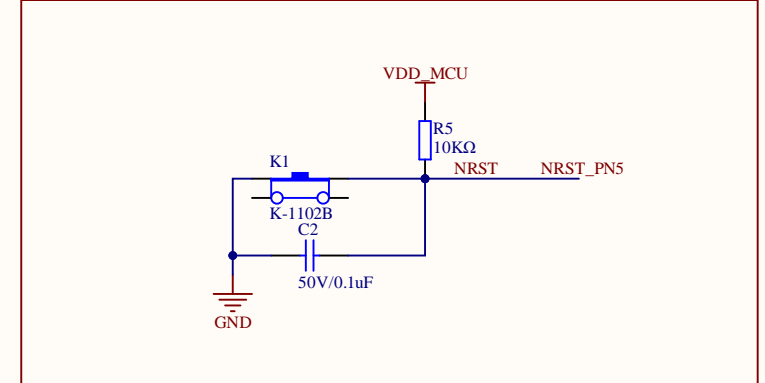
Date: 2025-11

Author: zhipeng.xue

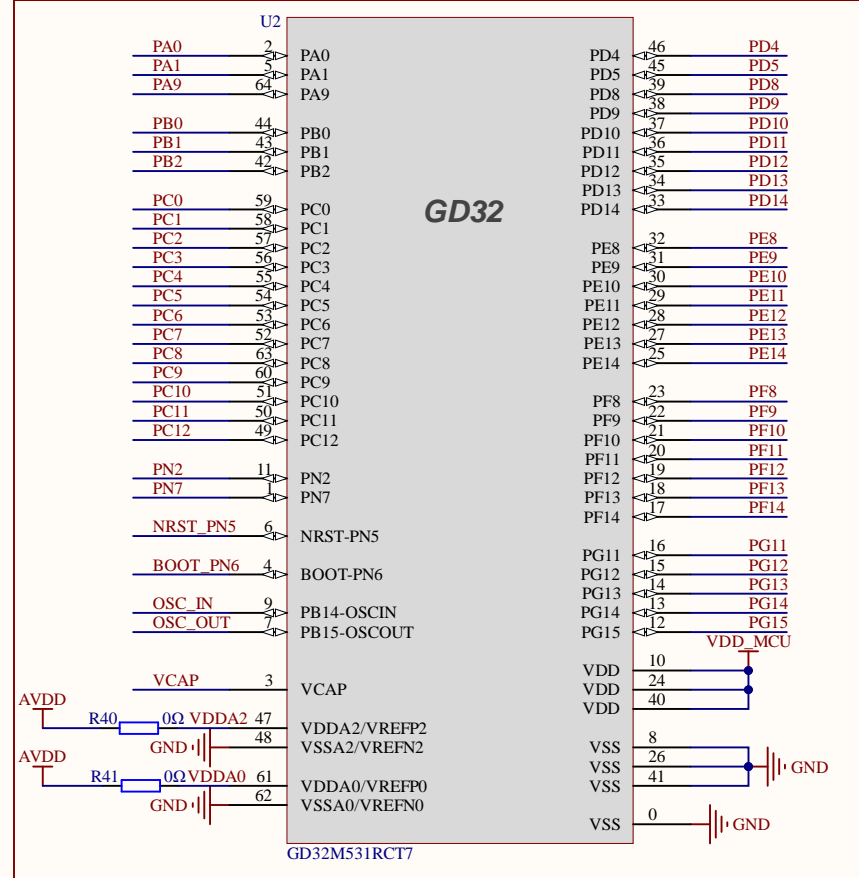
JTAG&&OL



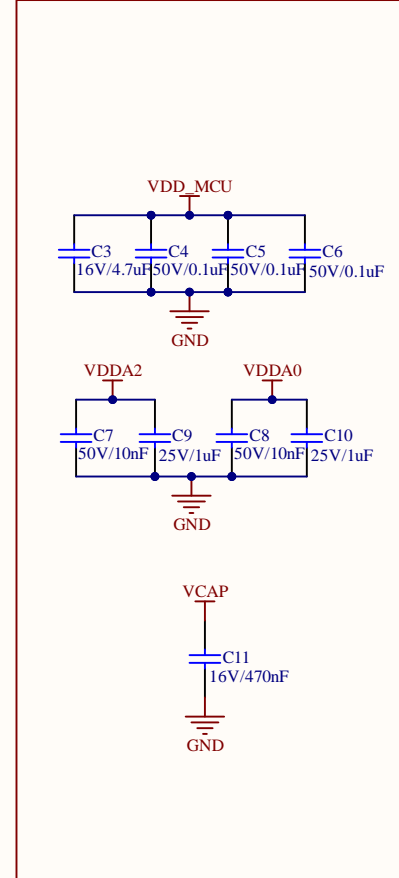
NRST



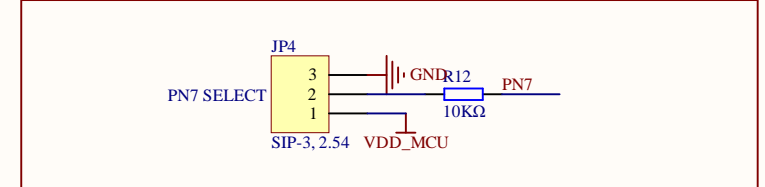
MCU



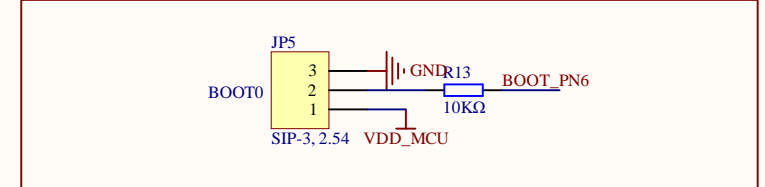
Filter



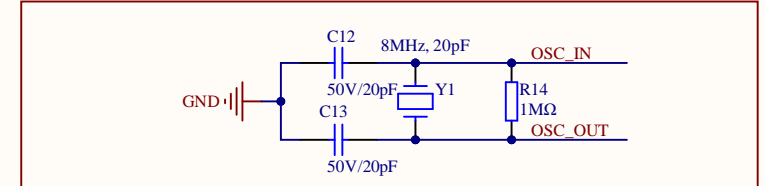
PN7 SELECT



BOOT



HXTAL



Company Name: GigaDevice

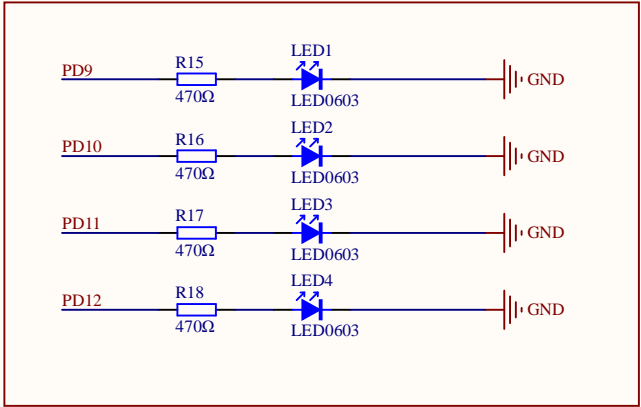
File Name: MCU

Revision: 1.2

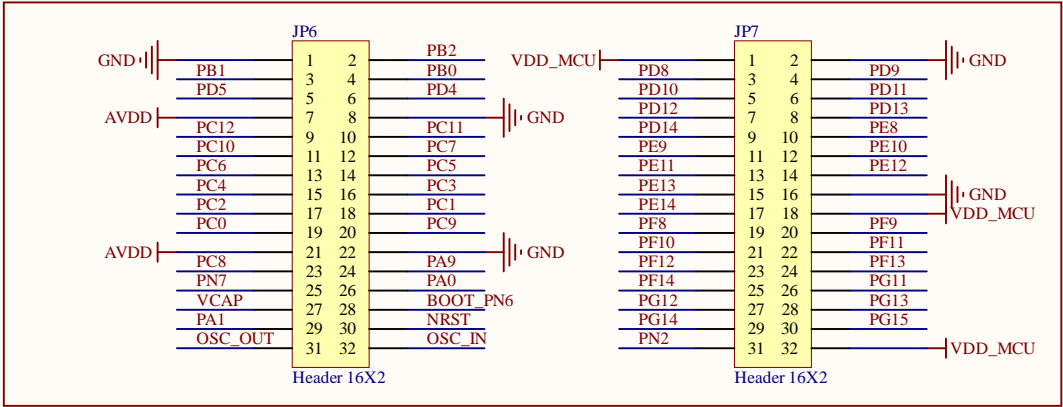
Date: 2025-11

Author: zhipeng.xue

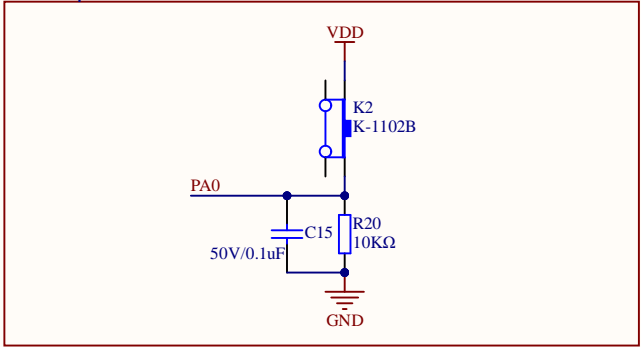
LED



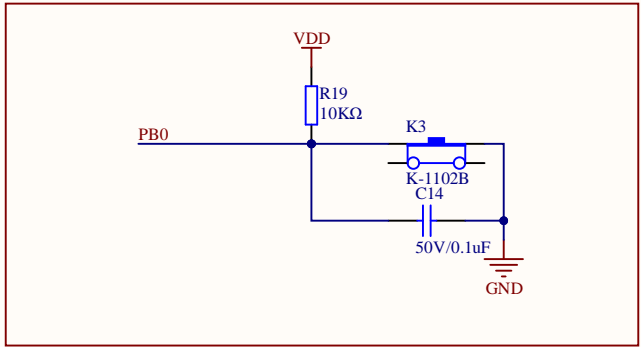
Extension Pin



Wakeup



USER



LG1
PCB
LOGO
GD32-LOGO

LG2
PCB
LOGO
GD32-LOGO-No touching_1

Company Name: GigaDevice

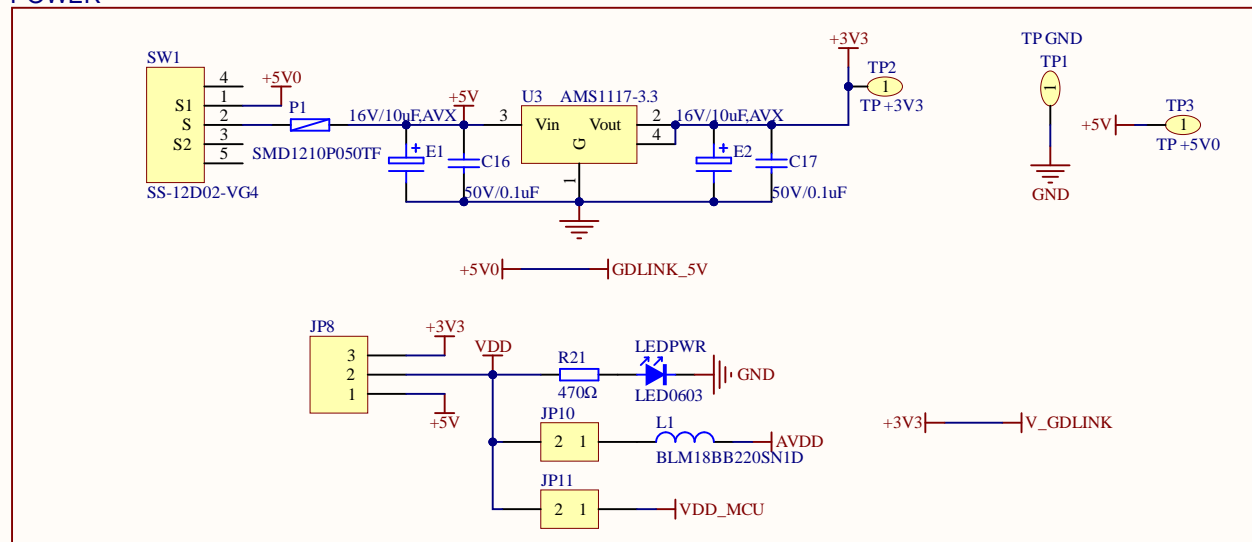
File Name: Peripherals

Revision: 1.2

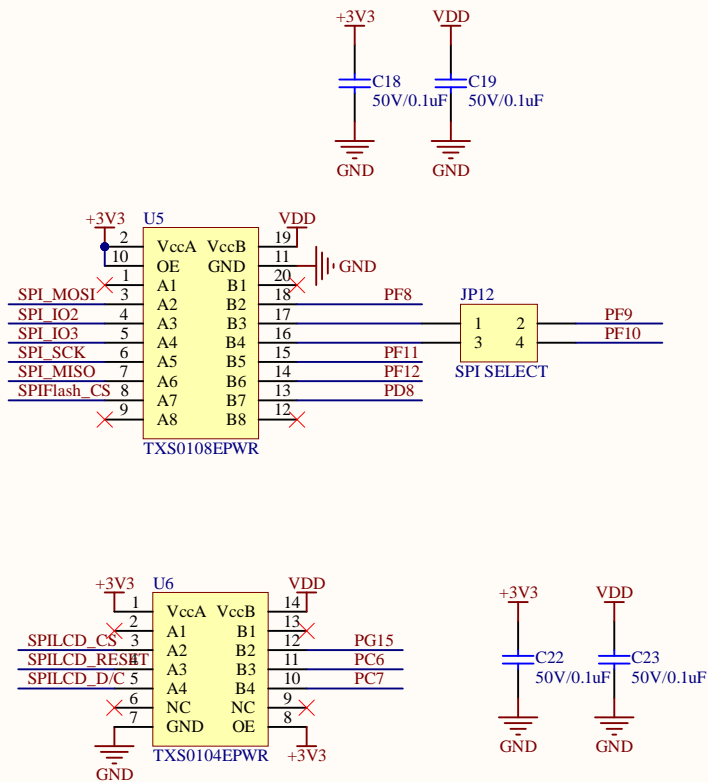
Date: 2025-11

Author: zhipeng.xue

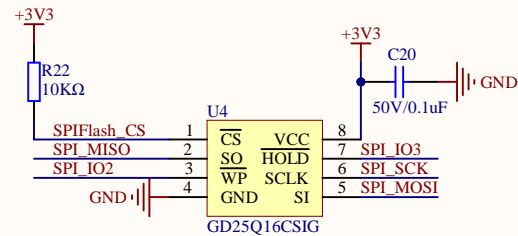
POWER



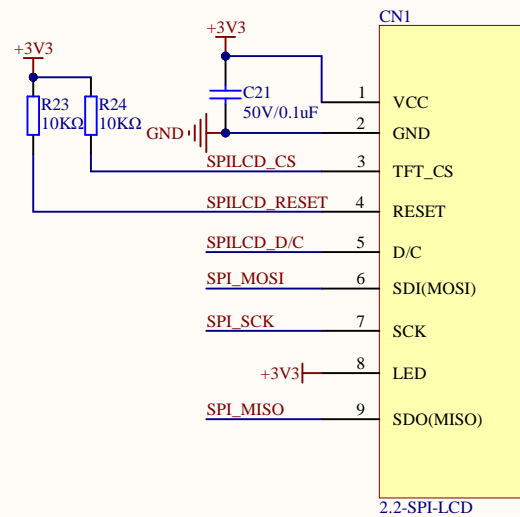
Company Name: GigaDevice		
File Name: Power		
Revision: 1.2	Date: 2025-11	Author: zhipeng.xue



SPI Flash



SPI LCD



Company Name: GigaDevice

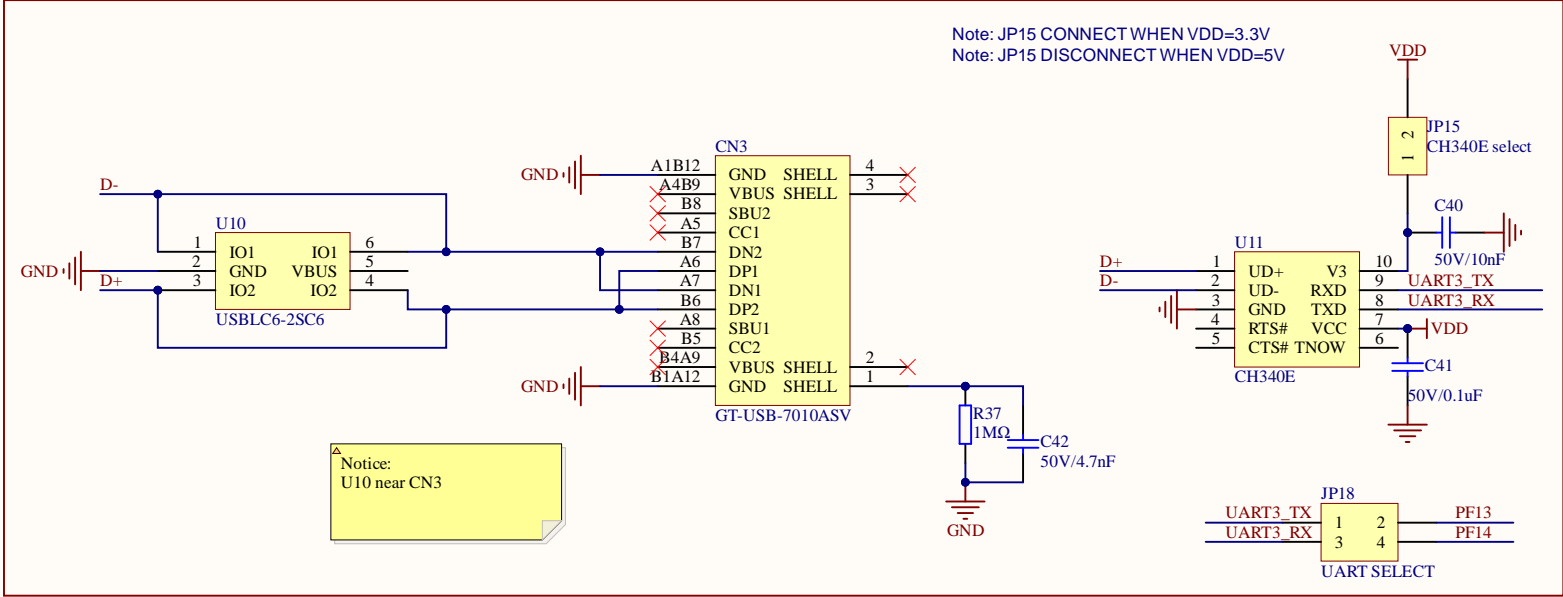
File Name: SPI

Revision: 1.0

Date: 2024-9

Author: zhipeng.xue

UART To USB



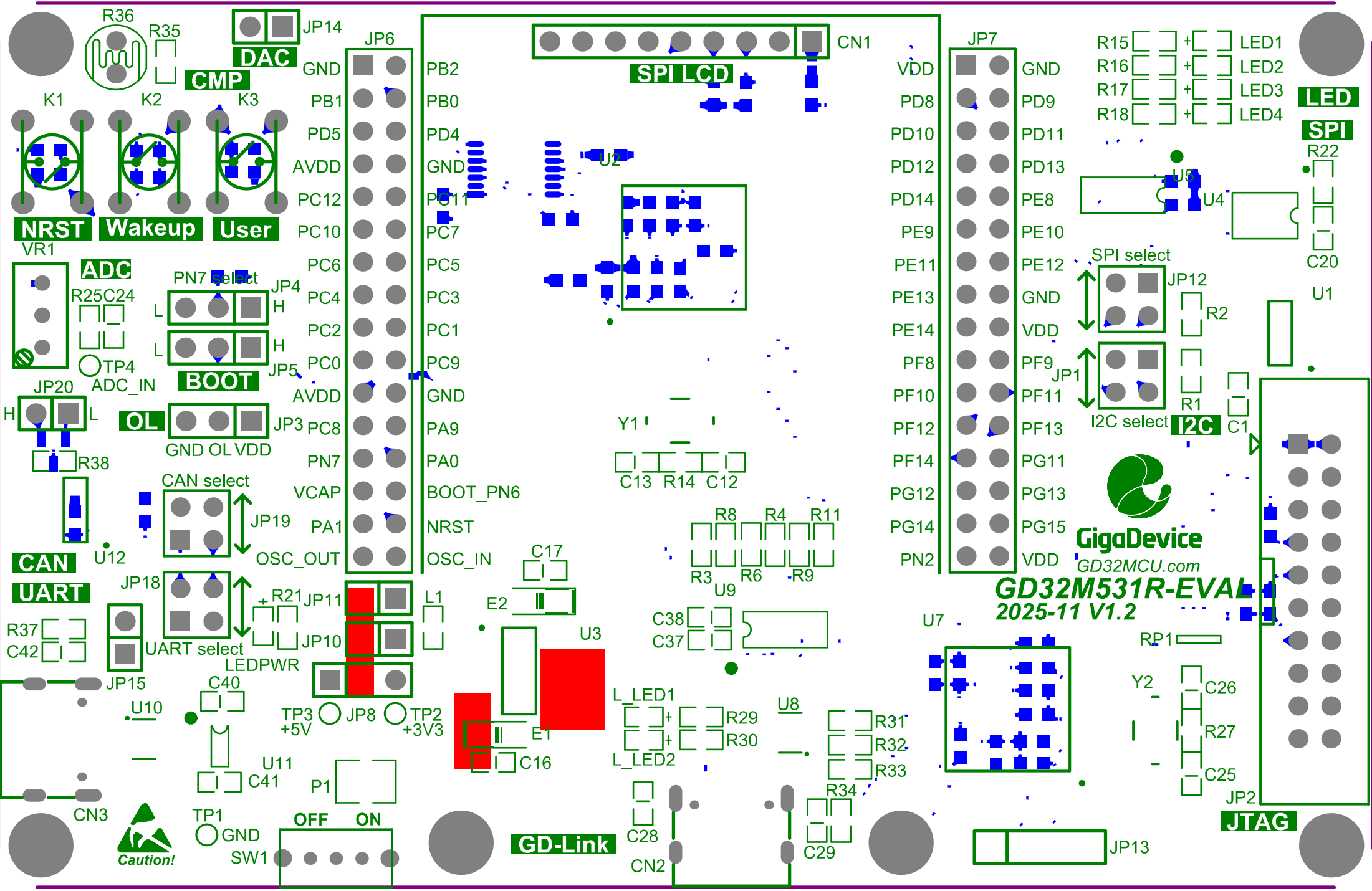
Company Name: GigaDevice

File Name: UART

Revision: 1.2

Date: 2025-11

Author: zhipeng.xue



GD32M531R-EVAL
2025-11 V1.2

GD-Link

JTAG

LED
SPI

CMP

DAC

User

WakeUp

NRST

BOOT

OL

CAN
UART

CAN select

SPI select

I2C select

I2C

UART select

LED PWR

OFF **ON**



TP1 **GND**
SW1

U11

TP3 **+5V**

TP2 **+3V3**

E1

E2

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

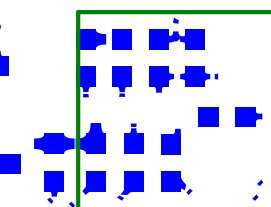
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

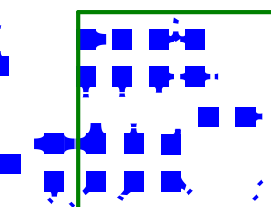
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

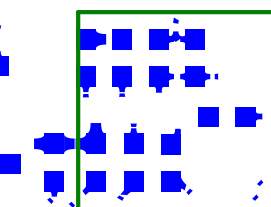
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

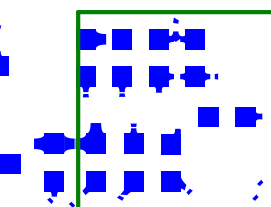
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

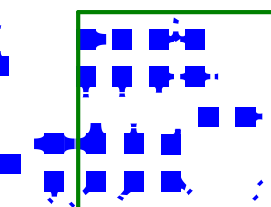
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

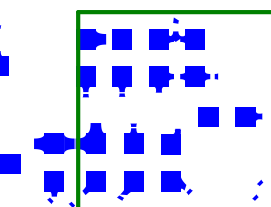
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

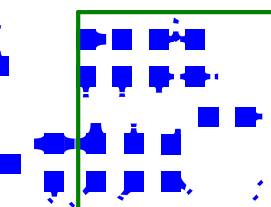
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

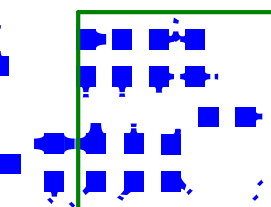
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

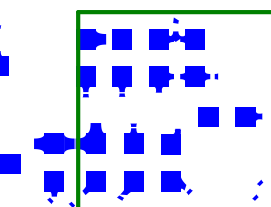
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

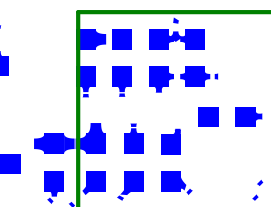
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

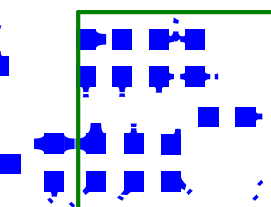
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

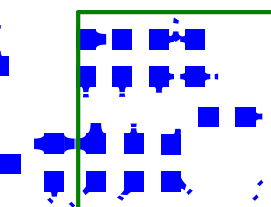
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

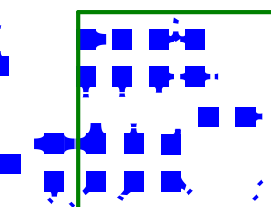
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

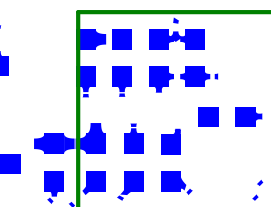
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

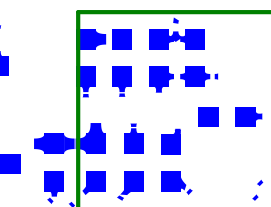
C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

U2



Y1

C13 **R14** **C12**

R8 **R4** **R11**
R3 **R6** **R9**

C38 **C37**

L **LED1**
L **LED2**

R29 **R30**

R31 **R32** **R33**

C28 **C29**

C13 **R14** **C12**

R8 **R4** **R11**
R3 <